

Fis1

Unique Clament Name

This is an example of a base lext section.

This section can be of any length.

Annotation I Calbirdin is a cakium birdy protein...

Annotation N...

## **Clone Shopping Cart**

Instructions: You may change the quantity of an item in your shopping cart by changing the value is column. To remove an item, simply enter a quantity of zero. To submit changes to your cart, click the button. When you are satisfied with your cart's contents, click the 'Proceed to Checkout' button.

Quantity	Catalog #	Description	Price
1	HORF.01		1,147
Clone ID: IOH10	952		
1	HORF.01		1,147
Clone ID: IOH14	1505		
1	HORF.01		1,147
Clone ID: IOH10120			
1	HORF01	Ultimate™ ORF Clones (Human)	900.0
Clone ID: IOH1903			
			Total* 4,34:
Recalculat	e Clear Car	Proceed to Checkout	

<sup>\*</sup>Note: Account specific pricing, applicable tax, freight, and handling charges will be included in you confirmation.

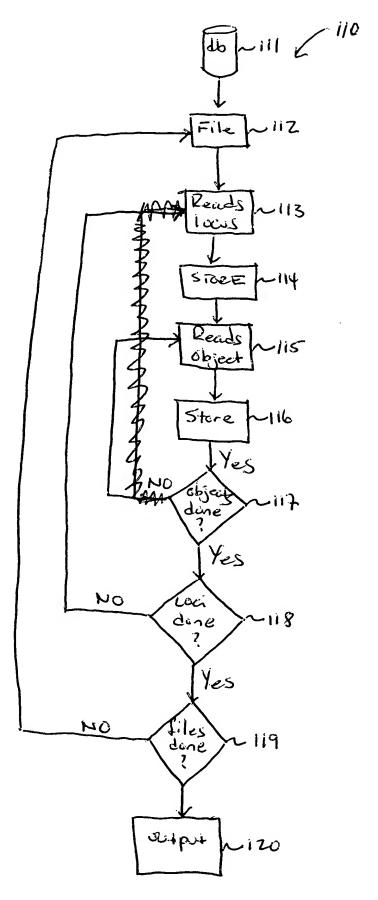
Figur 3

120 Mouse Human Select Species: Enter Text Below Search By Keyword: Reset 122 Mouse Human Select Species: **Enter Text Below** Search By ID: Upload text file to search Brov Number of Results per page Reset

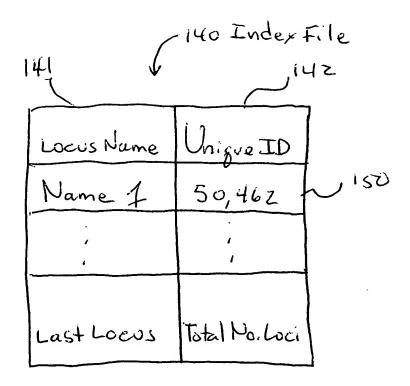
F154

ja, has

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Fis 5



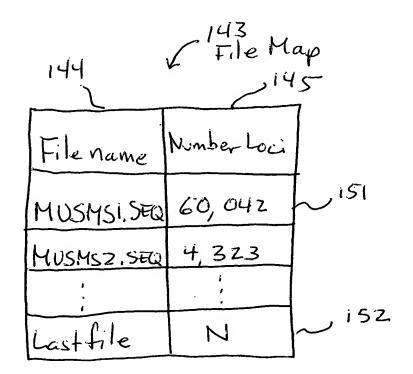
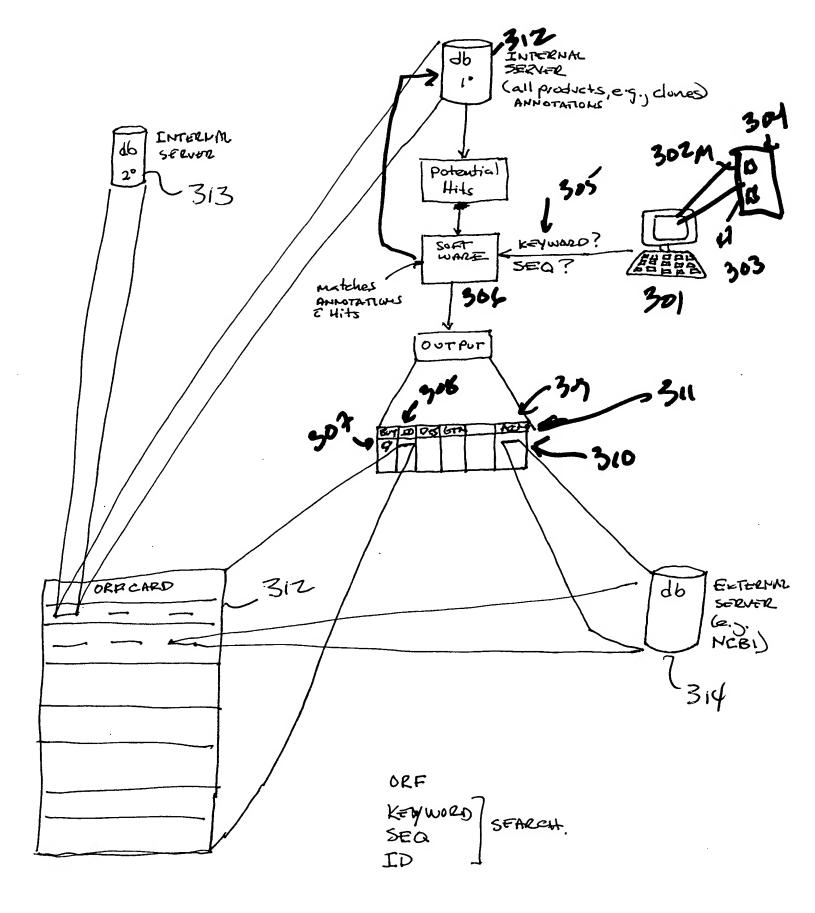
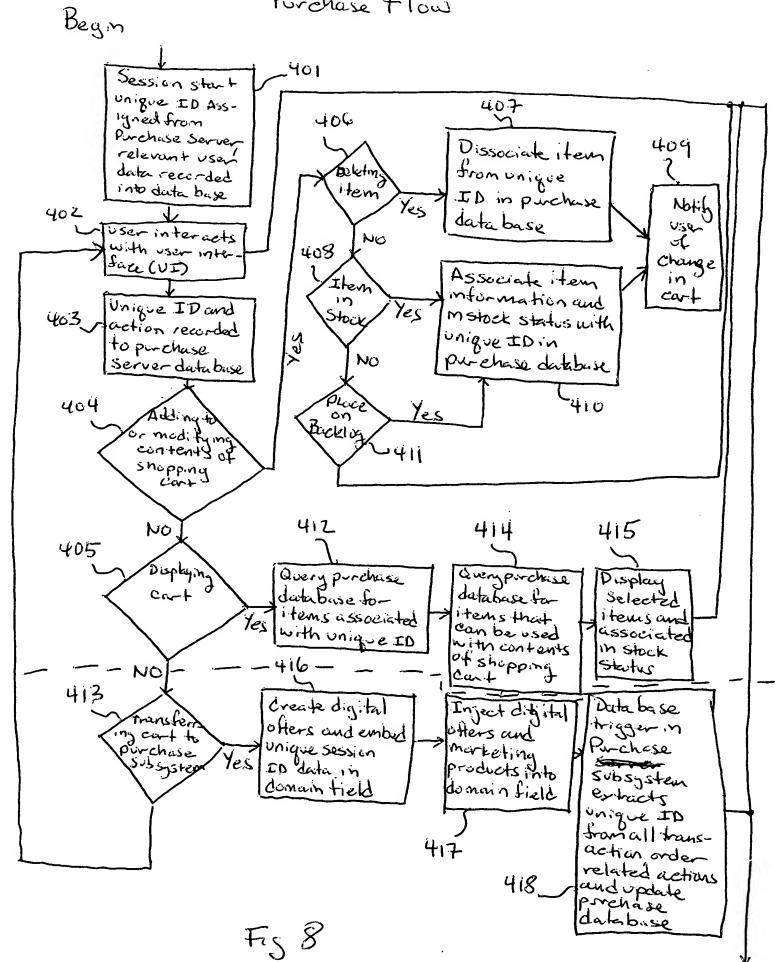


Fig 6



F167

Purchase Flow



END

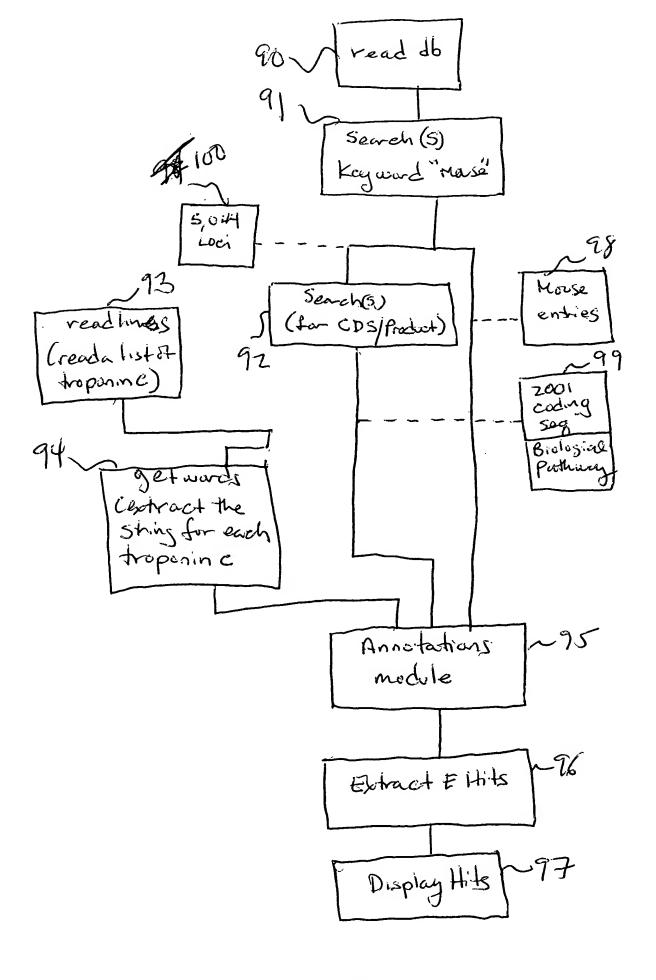


Fig 9

504 Search By ID of Keyword Mouse Select Species: Enter Text Below Search By Keyword: Reset 562 ~) Mouse | Human Select Species: **Enter Text Below** Search By ID: Upload text file to search Brov Number of Results per page 25 Reset

# FIS 10

600

Search By ID or Keyword Page(s) 1 Records: 1-4 of 4 Clone ID hyper link to view additional clone annotation \*\* Buy Clone ID Species Definition Gene Symbol Acc <u>IOH1903</u> Human calbindin 1; calbindin 1, (28kD) CALB1 NM Similar to troponin T2, cardiac, clone IOH5297 Human MGC:3889IMAGE:3612968, mRNA, complete cds. TNNT2 BC( IOH7359 Human troponin C2, fast TNNC2 NM IOH21526 Human troponin C, slow (TNNC1), mRNA. TNNC1 NM

Page(s) 1

Records: 1-4 of 4

Add Clones to Shopping Cart

Fig 11

Search By ID or Keyword

Page(s) 1

Records: 1-1 of :

Gene Matchine Symbol

Buy Query

Accessic

IOH1903 <u>IOH1903</u> Human

calbindin 1; calbindin 1, (28kD)

CALB1

NM 0049

Page(s)

Records: 1-1 of 1

Add Clones to Shopping Cart

	Search By I		Search By Sequence	The Continues
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	Enter seque	nce below		
80(	Reset	BLAST		
	1: 1:	# .		

FJ 13

Your search returned 2 results.

Results are currently sorted by e-value, you may also sort by collection type

Download all 2 results in excel format Buy Clone ID Collection Description Ultimate™ ORF Human Clones IOH1903 Homo sapiens, calbindin 1; calbindin 1, (28kD) IOM18037 Ultimate™ ORF Mouse Clones Mus musculus, calbindin-28K

Add Clones to Shopping Cart

e-value

Clone ID: IOH1903 Accession: NM 004929

Score = 1558.6 bits (786), Expect = 0

Identities = 786/786 (100%), Positives = 786/786 (100%)

Strand = Plus/Plus

Query:	1	ATGGCAGAATCCCACCTGCAGTCATCCCTCATCACAGCCTCACAGTTTTT	50
Sbjct:	1		50
Query:	51	CGAGATCTGGCTCCATTTCGACGCTGACGGAAGTCCTTACCTCCAACCAA	100
Sbjct:	51		100
Query:	101	AGGAGCTGCAGAACTTGATCCAGGAGCTCCAGCAGGCGCGCAAACAACCA	150
Sbjct:	101		150
Query:	151	GGATTGGAGTTATCACCTGAAATGAAAACTTTTGTGGATCAGTATCCCCA	200
Sbjct:	151		200
Query:	201	AAGAGATGATGGAAAAATAGGAATTGTAGAGTTGGCTCACGTATTACCCA	250
Sbjct:	201		250
Obery:	251	CAGAAGAGAATTTCCTGCTGCTCTTCCGATGCCAGCAGCTGAAGTCCTGT	300
Sbjct:	251		300
Query:	301	GAGGAATTCATGAAGACATGGAGAAAATATGATACTGACCACAGTGGCTT	350
Sbjct:	301		350
Query:	351	CATAGAAACTGAGGAGCTTAAGAACTTTCTAAAGGACCTCCTACAAAAA	400
Sbjct:	351		400
Ouery:	401	CAAACAAGACTGTTGATGACACAAAATTAGCCGAGTATACAGACCTAATC	450
Sbjct:	401		450

Query:	451	CTGAAACTATTTGATTCAAATAATGATGGGAAGCTGGAATTAACTGAGAT	500
Sbjct:	451		
Query:	501	GOOD TO THE TOTAL OF THE TOTAL	500
Quely:	501	GGCCAGGTTACTACCAGTGCAGGAGAATTTTCTTCTTAAATTCCAGGGAA	550
Sbjct:	501	GGCCAGGTTACTACCAGTGCAGGAGAATTTTCTTCTTAAATTCCAGGGAA	
Query:		TO THE CASTOCAGOAGAATT TETTETTAAATTCCAGGGAA	550
Query:	551	TCAAAATGTGTGGGAAAGAGTTCAATAAGGCTTTTGAGCTGTATGATCAG	600
Ch			
Sbjct:	551	TCAAAATGTGTGGGAAAGAGTTCAATAAGGCTTTTGAGCTGTATGATCAG	600
Query:	601	GACGGCAATGGATACATAGATGAAAATGAACTGGATGCTTTACTGAAGGA	
-			650
Sbjct:	601	GACCCCAATCCATACATCATACATCATACATCATACATCAT	
-		GACGGCAATGGATACATAGATGAAATGAACTGGATGCTTTACTGAAGGA	650
Query:	651	TCTGTGCGAGAAGAATAAACAGGATCTGGATATTAATAATATTACAACAT	700
		-	700
Sbjct:	651	TCTGTGCGAGAAGAATAAACAGGATCTGGATATTAATAATATTACAACAT	
Query:	701		700
7 .		ACAAGAAGAACATAATGGCTTTGTCGGATGGAGGGAAGCTGTACCGAACG	750
Sbjct:	701	THE	
-	701	ACAAGAAGAACATAATGGCTTTGTCGGATGGAGGGAAGCTGTACCGAACG	750
Query:	751	GATCTTGCTCTTATTCTCTGTGCTGGGGATAACTAG 786	
Sbjct:	751	GATCTTGCTCTTATTCTCTGTGCTGGGGATAACTAG 786	
		786	
back to top			

Clone ID: <u>IOM18037</u> Accession: <u>NM 009788</u>

Score = 1090.8 bits (550), Expect = 0 Identities = 727/786 (92%), Positives = 727/786 (92%) Strand = Plus/Plus

Query:	1	ATGGCAGAATCCCACCTGCAGTCATCCCTCATCACAGCCTCACAGTTTTT	50
Sbjct:	1		
Query:	51	CGAGATCTGGCTCCATTTCGACGCTGACGGAAGTGGTTACCTGGAAGGAA	50
Sbjct:	F.1		100
Query:	51	TGAGATCTGGCTTCATTTCGACGCTGACGGAAGTGGTTACCTGGAAGGAA	100
Query:	101	AGGAGCTGCAGAACTTGATCCAGGAGCTCCAGCAGGCGCGCAAAGAAGGCT	150
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Sbjct:	151		
Query:	201	AAGAGATGATGAAAAATAGGAATTGTAGAGTTGGGTCACGTATTACCCA	200
or .			250
Sbjct:	201	GAGAGATGATGGAAAAATAGGAATTGTAGAGTTGGCTCACGTCTTACCCA	250
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Query:	301	GAGGAATTCATGAAGACATGGAGAAAATATGATACTGACCACACTCCCTT	350
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Query:	351	GAGGAATTCATGAAGACTTGGAGAAAGTATGATACTGACCACAGCGGCTT	350
•	33.	CATAGAAACTGAGGAGCTTAAGAACTTTCTAAAGGACCTGCTAGAAAAAG	400
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Query:	451	CTGAAACTATTTGATTCAAATAATGATGGGAAGCTGGAATTAACTCACAT	450 500
Sbjct:	451		300
Query:	501	CTGAAACTATTTGATTCAAATAATGACGGAAAGCTGGAACTGACAGAGAT	500
	301	GGCCAGGTTACTACCAGTGCAGGAGAATTTTCTTCTTAAATTCCAGGGAA	550
Sbjct:	501	GGCCAGGTTACTACCAGTGCAGGAAAATTTCCTTCTTAAATTCCAGGGAA	550
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Sbjct:	551		
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Sbjct:	601	-	650
Query:	651	GATGGCAACGGATACATAGATGAAAATGAGCTGGATGCTTTGCTGAAAGA	650
10017.	031	TCTGTGCGAGAAGAATAAACAGGATCTGGATATTAATAATATTACAACAT	700

Sbjct:	651	TCTGTGTGAGAAGAACAACAGGAATTGGATATTAACAATATTACTACAT	700
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Sbjct:	701		750
Query:	751	GATCTTGCTCTTATTCTCTGTGCTGGGGATAACTAG 786	
Sbjct:	751		
back to to	δ		

Results returned in 19 seconds.

Fig. 14

FIS 15

115~

[Human]{Mouse}

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Gene Ontology
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Biological Process
```

behavior [17] {5}

biological\_process unknown [141] {7}

cellular process [1719] [530]

development [377] {107}

physiological processes [2984] (1140)

viral life cycle [8] {2}

## Cellular Component

cell [2627] {924}

cellular\_component unknown [164] {11}

extracellular [233] [67]

unlocalized [22] {13}

virion {5}

## **Molecular Function**

anticoagulant activity [8]  $\{2\}$ 

antioxidant activity [13] {6}

apoptosis regulator activity [39] [14]

binding activity [2058] {787}

cell adhesion molecule activity [48] {13}

chaperone activity [70] {23}

defense/immunity protein activity [67] {12}

enzyme activity [1499] [695]

enzyme regulator activity [137] [49]

molecular\_function unknown [203] {41}

motor activity [25] {10}

nutrient reservoir activity [1]

protein stabilization activity [1]

protein tagging activity [3]

signal transducer activity [583] {153}

structural molecule activity [243] {85}

surfactant activity [3]

toxin activity [2]

transcription regulator activity [253] {78}

